P.W.C. 17 — 1st and final bill — Original/Duplicate/Triplicate

NO

Division Yelahanka — Sub division Yelahanka New Town — Date

Bills received No — Date — Sub-divisional — Cash book vr No — Date

Scheduled Docket No — Divisional — Date

Name of work(as per sanctioned estimate) :- — Head of account 0190

YNK-DBR No. 60 Date 16.01.18

Work code:0003-17-000072

NAME OF WORK :Improvements and asphalting of roads and drains at Santhosh Nagara in ward no 03

Name of contractor and full address :-

Reference to agreement No :- 85 — **Technical Manager (west)** — **Estimated cost :50.00** — **W.O.dated:85/17-18, dt:30/06/2017**

CONTRACT CERTIFICATE

Reference paras 158 & 170

No 1148 Certified that the measurments were taken by me on 28/09/17 and recorded on pages 114716 - 114726 of measurment book and the work is satisfactorily executed by the contractor.

Signature of contractor

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

Assistant Engineer

Certified that the measurments were taken by me on 28/9/17 and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%--------		
3) Balance---	1st & Final	4919292:00
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional Cash book vr No----------dated----------S.D No----------Amount adjusted towards cash advance recovery of		
b) Cost of payments/stores or other materials supplied now made recovery of	FSD	245965:00
	CGST	49193:00
	SGST	49193:00
	LC	49193:00
	IT	98386:00
	CBF	4920:00
	LR	45122:00
Amount paid on this bill by cheque/cash		
Total	T-D	551972:00
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor.	Net	4367320:00
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum

(in final settlement of all demand)

Witness

1)

2)

Reciept Stamp

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

Dated signature of contractor

paid by me cheque No dated

Cash Rs

Date Initials of officer making payment

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

Audited & Admitted for Rs. 4919292:00

Date 4367320:00 Executive Engineer

551972:00

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Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3).	Sqm			~~111.89~~ 111.72	80.56	~~9013.86~~ 9000	~~111.89~~ 111.72	~~9013.86~~ 9000
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum			235.47	86.92	20467.05	235.47	20467.05
3	KSRRB M300-14. Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301	Cum			1455.24	48.76	70957.50	1455.24	70957.50

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
4	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method	Cum			513.62	1665.26	855310.84	513.62	855310.84
5	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting withvibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum			770.42	1768.08	1362164.19	770.42	1362164.19

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
6	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502	Sqm			3424.10	27.56	94368.20	3424.10	94368.20
7	KSRRB 500-7. Providing and applying tack coat on the prepared black topped surfaces at 5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5	Sqm			3424.10	11.66	39925.01	3424.10	39925.01

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
8	KSRRB M500-17. Providing and laying dense graded bituminous macadam with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.0 to 4.5% by weight oftotal mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.7 complete in all respects as per specifications. Bitumen 80/100 MORTH Specification	Cum			171.21	6435.26	1101780.86	171.21	1101780.86

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
9	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers toachieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509	Cum			102.72	7270.54	746829.87	102.72	746829.87
10	Lead for disposal of earth shall be payble at carriage rates (lead & lft) by mechanical means incldluing loading and unloading up to 7kms)	Cum			1690.71	90.40	152840.18	1690.71	152840.18

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
11	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm			109.60	542.72	59482.11	109.60	59482.11
					TOTAL Rs		~~4513125.94~~	4513112	~~4513125.94~~
12	Cost towards preparation of DPR PMC / QC @1%						~~45131.25~~		~~45131.26~~
13	Cost of plastic @ 8% bitumen qty for BC				1158.68	27	~~31284.36~~		~~31284.36~~
14	KRIDL Charges 9%						406181.33	406180	406181.33
					GRAND TOTAL Rs		4995722.88		~~4995722.88~~

Grand Total — 4919292.01

Asst. Engineer

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP, Bangalore-560064